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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

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of

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Application Number 09/840,861

Filing Date January 3, 2001

First Named Inventor Daniel DUPRET et al.

Art Unit Unassigned

Examiner Name Unassigned

Attorney Docket Number 58763.000013

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SKM	1	US- 5605793	02-25-1997	Stemmer	
	2	US- 5830721	11-03-1998	Stemmer et al.	
	3	US- 5837458	11-17-1998	Minshull et al.	
	4	US- 6117679	09-12-2000	Stemmer	JUL 31 2002
	5	US- 6132970	10-17-2000	Stemmer	
	6	US- 6153410	11-28-2000	Arnold et al.	TECH CENTER 1600/2000
	7	US- 6165793	12-26-2000	Stemmer	
	8	US- 6171820	01-09-2001	Short	
	9	US- 6177263	01-23-2001	Arnold et al.	
	10	US- 6180406	01-30-2001	Stemmer	
	11	US- 6238884	05-29-2001	Short et al.	
	12	US- 6251674	06-26-2001	Tobin et al.	
	13	US- 6277638	08-21-2001	Stemmer	
	14	US- 6287861	09-11-2001	Stemmer et al.	
	15	US- 6287862	09-11-2001	delCardayre et al.	
	16	US- 6291242	09-18-2001	Stemmer	
	17	US- 6297053	10-02-2001	Stemmer	
	18	US- 6303344	10-16-2001	Patten et al.	
	19	US- 6309883	10-30-2001	Minshull et al.	
	20	US- 20010039014	11-08-2001	Bass et al.	
	21	US- 6319713	11-20-2001	Patten et al.	
	22	US- 6319714	11-20-2001	Crameri et al.	

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Substitute for form 1449A/PTO				Application Number	09/840,861			
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				Art Unit	Unassigned			
				Examiner Name	Unassigned			
Sheet	2	of	5	Attorney Docket Number	58763.000013			
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Steph 23	US- 6322969	11-27-2001	Stull et al.	JUL 3 1 2002				
24	US- 6323030	11-27-2001	Stemmer	TECH CENTER 1600/2000				
25	US- 6326204	12-04-2001	delCardayre et al.					
26	US- 20010049104	12-06-2001	Stemmer et al.					
27	US- 6335160	01-01-2002	Patten et al.					
28	US- 6335198	01-01-2002	delCardayre et al.					
29	US- 6337186	01-08-2002	Krebber					
30	US- 6344356	02-05-2002	Stemmer					
31	US- 6358740	03-19-2002	Patten et al.					
32	US- 6361974	03-26-2002	Short et al.					
33	US- 6365377	04-02-2002	Patten et al.					
34	US- 6365408	04-02-2002	Stemmer					
35	US- 6368861	04-09-2002	Crameri et al.					
36	US- 6376246	04-23-2002	Crameri et al.					
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*Examiner Initial	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code:	Number - Kind Code (if known)				YES	NO
	37.	WO	95/22625	08-24-1995	Stemmer et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	38.	EP	0752008	01-08-1997	Stemmer et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	39.	WO	97/20078	06-05-1997	Stemmer et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	40.	WO	97/22715	06-06-1997	Henning		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	41.	WO	98/15567	04-16-1998	Strizhov et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	42.	WO	98/27230	06-25-1998	Fitts et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	43.	WO	98/32845	07-30-1998	Soselind et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	44.	JP	11075849	03-23-1999	Satoko	Abstract only	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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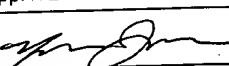
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SAC	45.	FR	2782323	02-18-2000	Dupret et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	46.	WO	00/58517	10-05-2000	Short et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	47.	WO	00/77262	12-21-2000	Short		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	48.	WO	01/23401	04-05-2001	Welch et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	49.	WO	01/27160	04-19-2001	Huse et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	50.	WO	01/29211	04-26-2001	Coco et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	51.	WO	01/29212	04-26-2001	Arensdorf et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	52.	WO	01/42509	06-14-2001	Cheo et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	53.	WO	01/51663	07-19-2001	Bass et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	54.	WO	01/64864	09-07-2001	Affholter et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	55.	WO	01/70947	09-27-2001	Carr et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	56.	WO	01/73000	10-04-2001	Stemmer et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	57.	WO	01/90346	11-29-2001	Wang et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	58.	WO	01/96551	12-20-2001	Short		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	59.	WO	02/04629	01-17-2002	Delcardayre et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	60.	WO	02/06469	01-24-2002	Coco et al.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	61.	EP	1138763	02-27-2002	Stemmer		<input checked="" type="checkbox"/>	<input type="checkbox"/>

NON-PATENT LITERATURE DOCUMENTS

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		Rouwendal et al.	<input checked="" type="checkbox"/> NO
	62.	Weisberg, Edward P., "Simultaneous Mutagenesis of Multiple Sites: Application of the Ligase Chain Reaction Using PCR Products Instead of Oligonucleotides, Biotechniques, Vol. 15, No. 1, July 1993, pp.172-178	<input checked="" type="checkbox"/> NO

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NON-PATENT LITERATURE DOCUMENTS

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			YES	NO
	63.	STEMMER, W. P. C., "DNA shuffling by random fragmentation and reassembly: In vitro recombination for molecular evolution", Proc. Natl. Acad. Sci. USA, Vol. 91, pp. 10747-10751, October 1994	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	64.	PUNNONEN, J. et al., "Molecular breeding by DNA shuffling", Science & Medicine, pp. 38-47, March/April 2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	65.	COCO, W. M. et al., "DNA shuffling method for generating highly recombinant genes evolved enzymes", Nature Biotechnology, Vol. 15, April 2001, pp. 354-358	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	66.	PELLETIER, J., "A rachitt for our toolbox", Nature Biotechnology, Vol. 19, No. 4, April 2001, pp. 314-315	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	67.	CRAMERI, A. et al., "DNA shuffling of a family of genes from diverse species accelerates directed evolution", Nature, Vol. 391, January 1998, pp. 288-291	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	68.	NESS, J. E. et al., "DNA shuffling of subgenomic sequences of subtilisin", Nature Biotechnology, Vol. 17, September 1999, pp. 893-896	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	69.	CHANG, C. J. et al., "Evolution of a cytokine using DNA family shuffling", Nature Biotechnology, Vol. 17, August 1999, pp. 793-797	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	70.	MINSHULL, J. et al., "Protein evolution by molecular breeding", Current Opinion in Chemical Biology, 1999, Vol. 3, pp. 284-290	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	71.	HARAYAMA, S. "Artificial evolution by DNA shuffling", Tibtech, February 1998, Vol. 16, pp. 76-82	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	72.	KIRTZMAN, A., "Advances in directed protein evolution by recursive genetic recombination: applications to therapeutic proteins", Current Opinion in Biotechnology, 2001, Vol. 12, pp. 361-370	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	73.	Zhao, H. et al., "Optimizing of DNA Shuffling for High Fidelity Recombination", Nucleic Acids Research, Vol. 25, No. 6, pp. 1307-1308, (1997)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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Application Number	09/840,861
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First Named Inventor	Daniel DUPRET et al.
Art Unit	Una signed
Examiner Name	Unassigned
Attorney Docket Number	58763.0000013

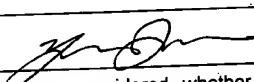
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			YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
SHY	74.	Lyamichev, V. et al., "Polymorphism Identification and Quantitative Detection of Genomic DNA by Invasive Cleavage of Oligonucleotide Probes", Nature Biotechnology, Vol. 17, pp. 292-296 (1999)	<input checked="" type="checkbox"/> <input type="checkbox"/>

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